

Abstract

Methods and Systems for controlling boiler systems are disclosed. In one illustrative embodiment, a derivative action control is used reduce the likelihood of overshoot from a newly activated boiler. When a newly activated boiler becomes active, the boiler is held at a low firing rate for a predetermined period of time. The predetermined period of time may be cut short or even entirely eliminated under certain conditions. The methods and devices are further adapted for use in multi-stage boiler systems. In one embodiment, only the first stage of a multi-stage boiler system that becomes active is held at the low firing rate.